

AUTHOR / TITLE ALPHABETICAL INDEX

Vol.52, 1988

|   | No. | Page |
|---|-----|------|
| AIRAPETOV A.B. and ZHMULIN E.M.: On the axisymmetric screw motion of an incompressible viscous fluid.   | 1   | 49   |
| AIZIKOVICH S.M. and TRUBCHIK I.S.: Asymptotic properties of the approximate solution of a class of dual integral equations.                                   | 5   | 664  |
| AKHMEDOV N.K. and USTINOV YU.A.: On St. Venant's principle in the torsion problem for a laminated cylinder.   | 2   | 207  |
| AKULENKO L.D.: Study of the quasilinear oscillations of mechanical systems with distributed and lumped parameters   | 3   | 304  |
| ALEKSANDROV V.M. and POZHARSKII D.A.: On a contact problem for an elastic wedge.  | 4   | 506  |
| AMINOV A.B. and SIRAZETDINOV T.K.: Conditions for a sum of forms to be of fixed sign and for stability of motion on manifolds.                                | 2   | 146  |
| ANTIPOV YU.A. and POPOV G.YA.: The plane state of stress of an elastic plane with two intersecting slits.   | 4   | 479  |
| ARUTYUNYAN N.KH., GRIGORYAN S.S. and NAUMOV V.E.: The problem of a growing icicle.  | 2   | 198  |
| ATANASOV V.A. and LILOV L.K.: The stability of the steady-state motions of a system with pseudocyclical coordinates.  | 5   | 555  |
| ATAZHANOV B. and KRASINSKAYA E.M.: Stabilization of the stationary motions of non-holonomic mechanical systems.   | 6   | 705  |
|   |     |      |
| BABKIN V.A.: Anisotropic turbulence in a flow of incompressible fluid between rotating coaxial cylinders.   | 2   | 176  |
| BARASHKOV N.M. and SPIRIDONOV F.F.: Non-stationary flows in channels with permeable walls.  | 4   | 458  |
| BATALOVA Z.S. and BELYAKOVA G.V.: Stability diagrams of the periodic motions of a pendulum with an oscillating axis.  | 1   | 41   |
| BAUTIN S.P.: Analytical construction of viscous gas flows using the sequence of linearized Navier-Stokes systems.   | 4   | 449  |
| BELEN'KAYA L.KH.: Asymptotic analysis of the stability of a cylindrical viscoelastic shell under the action of a longitudinal periodic load.                  | 3   | 405  |
| BELYAKOVA G.V.: see BATALOVA Z.S.   | 1   | 41   |
| BELYAYEV A.YU.: Compression waves in a fluid with gas bubbles.  | 3   | 344  |
| BERDICHEVSKII V.L.: The connection between thermodynamic entropy and probability.   | 6   | 738  |
| BERESLAVSKII E.N. and EMIKH V.N.: On the critical filtration mode with evaporation at the border zone separating fresh waters from saline waters below.       | 5   | 680  |
| BERMAN V.S. and POLYANIN A.D.: Mass transfer in a pulsating bubble.   | 6   | 766  |
| BESSONOV G.A., KOROBV V.I. and SKLYAR G.M.: The problem of the stable synthesis of bounded controls for a certain class of non-steady systems.                | 1   | 5    |
| BEZHANOV K.A.: Multilayer flow of an incompressible liquid over an uneven bottom under the action of surface pressure.  | 5   | 585  |
| BOBKOV N.N. and GUPALO YU.P.: On non-stationary motions of local inhomogeneities in a pseudofluidized layer.  | 3   | 333  |
| BOGATYREV S.V. and SOBOLEV V.A.: Separating the rapid and slow motions in the problems of the dynamics of systems of rigid bodies and gyroscopes.             | 1   | 35   |
| BORISOV V.F. and ZELIKIN M.I.: Modes with switchings of increasing frequency in the problem of controlling a robot.   | 6   | 731  |
| BORODACHEV A.N.: A form of the particular solution of thermoelasticity equations for transversely isotropic bodies.   | 2   | 231  |
| BORODACHEV N.M.: A perturbation method for mixed three-dimensional problems of the theory of elasticity with a complex line of boundary-condition separation. | 4   | 488  |
| BORODICH F.M.: Problems of the interaction of a blunt body with an acoustic medium.   | 4   | 473  |
| BOROVNIKOV V.A.: The field of the point source of internal waves in a half-space with a variable Brunt-Vaisala frequency.                                     | 4   | 536  |
| BOYADZHI A.G., BURYSHKIN M.L. and RADIOLLO M.V.: The action of a rigid-stamp on a half-plane weakened by a regular system of cracks.                          | 5   | 670  |
| BOYEV N.V. and SUMBATYAN M.A.: Transient antiplane vibrations of a rectangular elastic slab.  | 4   | 545  |

|  | No. | Page |
|--|-----|------|
| BRAZHE R.A.: Centrifugal waves in a progressively rotating fluid flow.   | 3   | 402  |
| BRUDNYI S.R. and SHIFRIN E.I.: A method of symmetrizing functions and its application to certain problems in elasticity theory for non-uniform bodies.           | 3   | 377  |
| BRUSIN V.A. and MAKSIMOV YU.M.: Continuous modal control of linear multicoupled objects.   | 6   | 720  |
| BRUTYAN M.A. and KRAPIVSKII P.L.: Hamiltonian formulation and fundamental conservation laws for a model of small elliptical vortices.                            | 1   | 130  |
| BRYKINA I.G.: An analytical solution of the problem of convective diffusion in the neighbourhood of a discontinuity of the catalytic properties of a surface.    | 2   | 161  |
| BUROV A.A.: On the use of extensions of the real number field to seek completely integrable Hamiltonian systems.   | 6   | 809  |
| BURYSHKIN M.L.: see BOYADZHI A.G.  | 5   | 670  |
| CHERNOUS'KO F.L.: On the construction of a bounded control in oscillatory systems.   | 4   | 426  |
| CHERNYSHENKO S.I.: The asymptotic form of the stationary separated circumfluence of a body at high Reynolds numbers.   | 6   | 746  |
| CHIRKUNOV YU.A.: see PRUDNIKOV V.YU.   | 3   | 366  |
| CHISTYAKOV P.V.: see POBEDRYA B.E.   | 2   | 270  |
| CHUGAINOVA A.P.: The formation of a selfsimilar solution for the problem of non-linear waves in an elastic half-space.   | 4   | 541  |
| CHUGUNOV V.A.: see KORNEV K.G.   | 6   | 773  |
| DOKSHEVICH A.I.: The solutions of the equations of motion of the Kovalevskaya top in finite form.  | 4   | 444  |
| DOKUCHAYEV L.V.: Stability of rotation of a deformable spacecraft.   | 1   | 18   |
| DOMBROVSKII G.A.: On some special laws of non-linear filtration.   | 4   | 533  |
| DZHANASHIYA S.V.: see GRIGORYAN S.S.   | 1   | 105  |
| ELISEYEV V.V.: The non-linear dynamics of elastic rods.  | 4   | 493  |
| EMIKH V.N.: see BERESLAVSKII E.N.  | 5   | 680  |
| ERLIKHMAN F.M.: see KERCHMAN V.I.  | 1   | 99   |
| EVTUSHENKO A.A. and SOROKATYI YU.I.: Extension of a composite plane with a thin elastic inclusion emerging orthogonally on a straight material interfacial line. | 1   | 94   |
| FEDOSENKO V.S.: see GLADUN O.M.  | 3   | 357  |
| FILIPPOVA L.M.: Stability of a compressed elastic layer weakened by a circular crack.  | 2   | 257  |
| FIL'SHTINSKII L.A. and KHIZHNYAK L.A.: Reaction of a piezoceramic shell to concentrated dynamical actions.   | 1   | 136  |
| FORMAL'SKII A.M.: see OSIPOV S.N.  | 6   | 725  |
| FREIDIN A.B.: see KUBLANOV L.B.  | 3   | 382  |
| GAIFUTDINOV A.N. and YAKIMOV N.D.: Comparison theorems for non-stationary pressure filtration problems.  | 1   | 126  |
| GERMANOVICH L.N., KILL I.D. and TSODOKOVA N.S.: Thermoelastic stresses in a half-space heated by a concentrated energy flux.                                     | 4   | 525  |
| GETMAN I.P. and LISITSKII O.N.: Reflection and transmission of sound waves through the interfacial boundary of two joined elastic half-strips.                   | 6   | 816  |
| GLADUN O.M. and FEDOSENKO V.S.: Non-linear standing waves of an elastic plate floating on the surface of a heavy liquid of infinite depth.                       | 3   | 357  |
| GOL'DSHTEIN R.V. and KOREL'SHTEIN L.B.: The method of asymptotic integration and the "method of springs" in problems of elastic plates with an elongated cut.    | 4   | 518  |
| GOLOVIN A.M. and ROGOVOI A.F.: Effect of spherically symmetric mass flow from the surface of a particle on the force of interaction with a plane surface.        | 6   | 761  |
| GONOR A.I.: On an error in the theory of the conformal mapping of similar regions and its application to the flow past a profile.                                | 2   | 274  |
| GORDEYEV YU.N. and KUDRYASHOV N.A.: Dynamics of normal separation crack growth during its cleavage by a flow gas.  | 2   | 244  |
| GORODTSOV V.A.: Diffusion spreading of localized hydrodynamic disturbances under the action of random forces.  | 2   | 165  |

|   | No. | Page |
|---|-----|------|
| GORR G.V. and RUBANOVSKII V.N.: On a new class of motions of a system of heavy hinged rigid bodies.   | 5   | 551  |
| GRIGORYAN S.S., DZHANASHIYA S.V. and RYKOV G.V.: A mathematical model of the deformation and failure of rock materials.   | 1   | 105  |
| GRIGORYAN S.S.: see ARUTYUNYAN N.KH.  | 2   | 198  |
| GUPALO YU.P.: see BOBKOV N.N.   | 3   | 333  |
| IVANOV A.P.: A constructive model of impact with friction.  | 6   | 700  |
| IVANOV V.P.: Excitation of low-frequency fields in a multimembrane chamber.   | 2   | 184  |
| KANAUN S.K.: Equilibrium of a homogeneous elastic medium bounded by a rectilinear stiff rod.  | 5   | 616  |
| KANTOR B.YA. and KVITNITSKII M.P.: The plane problem of hydroelastic stability for a hinge-supported plate.   | 5   | 611  |
| KERCHMAN V.I. and ERLIKHMAN F.M.: A variational method of solving an elastic-plastic problem for a body with a circular hole.   | 1   | 99   |
| KHABIROV S.V.: The non-stationary invariant solution of the equations of gas-dynamics describing the spreading of a gas into a vacuum.  | 6   | 754  |
| KHASANOVA M.KH.: The orbital geometry of Jupiter's moons.   | 3   | 394  |
| KHIZHNYAK L.A.: see FIL'SHTINSKII L.A.  | 1   | 136  |
| KILL I.D.: see GERMANOVICH L.N.   | 4   | 525  |
| KOBELEV V.V.: Isoperimetric inequality in the problem of the stability of a circular ring under normal pressure.  | 5   | 683  |
| KONDAUROV V.I.: Continual fracture of non-linearly elastic bodies.  | 2   | 237  |
| KOPETS A.S.: Construction of discontinuous solutions of the equations of plane elasticity theory by the method of generalized functions.  | 6   | 790  |
| KOREL'SHTEIN L.B.: see GOL'DSHTEIN R.V.   | 4   | 518  |
| KORNEV K.G. and CHUGUNOV V.A.: Determination of the equilibrium shape of the bodies formed during the solidification of filtration flow.  | 6   | 773  |
| KORNEYEV V.A.: Optimal synthesis in the problem of impulsive correction of motion.  | 6   | 811  |
| KOROBOV V.I.: see BESSONOV G.A.   | 1   | 5    |
| KOZLOV V.A., MAZ'YA V.G. and PARTON V.Z.: Thermal shock in a domain with a crack.   | 2   | 250  |
| KOZLOV V.V.: On the symmetry groups of dynamic systems.   | 4   | 413  |
| KOZLOV V.V.: A constructive method of establishing the validity of the theory of systems with non-retaining constraints.  | 6   | 691  |
| KRAPIVSKII P.L.: see BRUTYAN M.A.   | 1   | 130  |
| KRASINSKAYA E.M.: see ATAZHANOV B.  | 6   | 705  |
| KRASINSKII A.YA.: The stability and stabilization of the equilibrium positions of non-homonomic systems.  | 2   | 152  |
| KRASINSKII A.YA. and RONZHIN V.V.: Stabilization of the steady-state motions of mechanical systems with cyclical coordinates.   | 4   | 420  |
| KRUPA V.G. and TIRSKII G.A.: Asymptotic analysis of convective diffusion in problems with a discontinuity in the catalytic properties of the surface around which the flow takes place. | 3   | 348  |
| KRUTIN V.N., MARKOV M.G. and YUMATOV A.YU., Normal waves in a fluid-filled cylindrical cavity located in a saturated porous medium.   | 1   | 63   |
| KUBLANOV L.B. and FREIDIN A.B.: Solid phase seeds in a deformable material.   | 3   | 382  |
| KUDRYASHOV N.A.: Exact soliton solutions of the generalized evolution equation of wave dynamics.  | 3   | 361  |
| KUDRYASHOV N.A.: see GORDEYEV YU.N.   | 2   | 244  |
| KULIKOVSKII A.G. and SVESHNIKOVA E.I.: Non-linear waves in slightly anisotropic elastic media.  | 1   | 86   |
| KULIKOVSKII A.G. and SVESHNIKOVA E.I.: The decay of an arbitrary initial discontinuity in an elastic medium.  | 6   | 786  |
| KUZ'MINA L.K.: Admissibility of simplified equations in the dynamics of gyroscopic systems.   | 6   | 715  |
| KUZ'MINYKH V.A.: On an integrable case of perturbed Keplerian motion.   | 6   | 806  |
| KVITNITSKII M.P.: see KANTOR B.YA.  | 5   | 611  |
| LEBEDEV L.P.: see VOROVICH I.I.   | 5   | 636  |
| LEONOV G.A. and MOROZOV A.V.: On the global stability of the forced motions of a liquid within an ellipsoid.  | 1   | 133  |

|   | No. | Page |
|---|-----|------|
| LEVCHENKOV A.YU.: A problem of approach with two different pursuers and one evader.   | 1   | 1    |
| LILOV L.K.: see ATANASOV V.A.   | 5   | 555  |
| LISITSKII O.N.: see GETMAN I.F.   | 6   | 816  |
| MAKHMUDOV A.A. and TEREENT'YEV E.D.: The flow of liquid down an inclined plane at high Reynolds numbers.  | 4   | 466  |
| MAKOVENKO S.YA.: The influence tensor for an elastic medium with Poisson's ratio varying in one direction.  | 2   | 263  |
| MAKSIMOV V.I.: Dynamic modelling of unknown perturbations in parabolic variational inequalities.  | 5   | 579  |
| MAKSIMOV YU.M.: see BRUSIN V.A.   | 6   | 720  |
| MALANOV S.B. and UTKIN G.A.: Shock interaction between a concentrated object and a one-dimensional elastic system.  | 1   | 30   |
| MALANOV S.B. and UTKIN G.A.: Skew impact of a material point on an infinite string lying on an elastic support.   | 5   | 674  |
| MALOMED B.A. and TRIBEL'SKII M.I.: On strong transitions between structures of differing symmetry accompanying weakly supercritical convection.                                       | 1   | 53   |
| MALYSHEV B.M.: see VEKLICH N.A.   | 3   | 397  |
| MAMIROV ZH.A.: On stability when a singular point is non-isolated.  | 4   | 434  |
| MARCHENKO A.V.: Long waves in shallow liquid under ice cover.   | 2   | 180  |
| MARKEYEV A.P.: Asymptotic trajectories and the stability of the periodic motions of an autonomous Hamiltonian system with two degrees of freedom.                                     | 3   | 283  |
| MARKOV M.G.: see KRUTIN V.N.  | 1   | 63   |
| MAZ'YA V.G.: see KOZLOV V.A.  | 2   | 250  |
| MOROZOV A.V.: see LEONOV G.A.   | 1   | 133  |
| MOSHCHUK N.K.: A qualitative analysis of the motion of a heavy solid of revolution on an absolutely rough plane.  | 2   | 159  |
| NAKHMEIN E.L. and NULLER B.M.: The pressure of a system of stamps on an elastic half-plane under general conditions of contact adhesion and slip.                                     | 2   | 223  |
| NAUMOV V.E.: see ARUTYUNYAN N.KH.   | 2   | 198  |
| NAZARENKO V.M.: The spatial problem of the compression of a material along a periodic system of parallel circular cracks.   | 1   | 113  |
| NEPOMNYASHCHII A.A.: Spatially modulated convective motions in a vertical layer with curved boundaries.   | 5   | 677  |
| NIKULIN V.V.: Conical rotational flow induced by tangential stresses on free plane surface.   | 4   | 461  |
| NOVIKOV V.V.: On the instability of elastic shells as the manifestation of internal resonance.  | 6   | 797  |
| NULLER B.M.: see NAKHMEIN E.L.  | 2   | 223  |
| ONISHCHUK O.V.: On a method of solving integral equations and its application to the problem of the bending of a plate with a cruciform inclusion.                                    | 2   | 211  |
| OPANASOVICH V.K.: Two approaches to the investigation of antiplane deformation of an isotropic solid with a thin elastic inclusion.   | 1   | 90   |
| OSIPOV S.N. and FORMAL'SKII A.M.: The problem of the time-optimal turning of a manipulator.   | 6   | 725  |
| PANASYUK A.I.: Algebraic operations compatible with the dynamics of a non-linear discrete control system.   | 5   | 569  |
| PARTON V.Z.: see KOZLOV V.A.  | 2   | 250  |
| PERADZE D.G.: On the paper by Kirichenko V.F., Krys'ko V.A. and Surova N.S.: The Bubnov-Galerkin method in the non-linear theory of hollow flexible, orthotropic multilayered shells. | 1   | 140  |
| PERLIN P.I.: Use of the Roben principle in solving three-dimensional problems of the theory of elasticity.  | 2   | 267  |
| PETROV N.N.: A group pursuit problem with phase constraints.  | 6   | 803  |
| PIVOVARCHIK V.N.: On the vibrations of a semi-infinite beam with internal and external friction.  | 5   | 647  |
| POBEDRYA B.E.: Strength criteria of an anisotropic material.  | 1   | 110  |
| POBEDRYA B.E. and CHISTYAKOV P.V.: Solution of three-dimensional problems of the theory of elasticity using the Monte Carlo method.   | 2   | 270  |
| POLUBARINOVA A.I.: A method of analysing plates and shallow shells.   | 3   | 408  |

|   | No. | Page |
|---|-----|------|
| POLYANIN A.D.: see BERMAN V.S.  | 6   | 766  |
| POPOV G.YA.: see ANTIPOV YU.A.  | 4   | 479  |
| POPOV V.A.: Axisymmetric flexural oscillations of a thin disc.  | 5   | 653  |
| POTAPOV V.D.: The stability of growing inhomogeneously ageing viscoelastic bodies.  | 3   | 389  |
| POZHARSKII D.A.: see ALEKSANDROV V.M.   | 4   | 506  |
| PROTSENKO V.S.: On two-mixed problems of antiplane strain of an elastic wedge with circular holes.  | 5   | 629  |
| PRUDNIKOV V.YU. and CHIRKUNOV YU.A.: Group reduction of the Lamé equations.   | 3   | 366  |
| PRYAKHINA O.D. and TUKODOVA O.M.: Antiplane dynamical contact problem for an electroelastic layer.  | 5   | 659  |
| RADIOLLO M.V.: see BOYADZHI A.G.  | 5   | 670  |
| ROGACHEVA N.N.: Forced vibrations of a piezoceramic cylindrical shell with longitudinal polarization.   | 5   | 641  |
| ROGOVOI A.F.: see GOLOVIN A.M.  | 6   | 761  |
| ROMASHEV YU.A.: see ZORIN I.S.  | 1   | 67   |
| RONZHIN V.V.: see KRASINSKII A.YA.  | 4   | 420  |
| ROZYEV I. and SUBBOTIN A.I.: Semicontinuous solutions of Hamilton-Jacobi equations.   | 2   | 141  |
| RUBANOVSKII V.N.: Quadratic integrals of the equations of motion of a rigid body in a liquid.   | 3   | 312  |
| RUBANOVSKII V.N.: On the relative equilibria of a satellite-gyrost, their branchings and stability.   | 6   | 710  |
| RUBANOVSKII V.N.: see GORR G.V.   | 5   | 551  |
| RYKOV G.V.: see GRIGORYAN S.S.  | 1   | 105  |
| SAPRONOV YU.I.: Multimode bifurcations of elastic equilibria.   | 6   | 778  |
| SAVENKOV I.V.: Three-dimensional disturbances in a compressible boundary layer.   | 3   | 328  |
| SAZONOV V.V.: see VORONIN A.A.  | 5   | 560  |
| SEDOV L.I.: Gravitational acceleration in Minkowski space.  | 2   | 260  |
| SHAKHOV E.M.: The oscillations of a satellite probe towed on an inextensible line in an inhomogeneous atmosphere.                               | 4   | 440  |
| SHIFRIN E.I.: see BRUDNYI S.R.  | 3   | 377  |
| SIRAZETDINOV T.K.: see AMINOV A.B.  | 2   | 146  |
| SITNIK V.A.: An approach to solving the problem of a crack in a wedge-shaped part of a plane.   | 4   | 547  |
| SKLYAR G.M.: see BESSONOV G.A.  | 1   | 5    |
| SOBOLEV V.A.: see BOGATYREV S.V.  | 1   | 35   |
| SOROKATYI YU.I.: see EVTUSHENKO A.V.  | 1   | 94   |
| SPIRIDONOV F.F.: see BARASHKOV N.M.   | 4   | 458  |
| SPRUBSHCHIK L.S.: Dynamic snap-through of an elastic shell subjected to a pulsed load.  | 1   | 75   |
| SRUBSHCHIK L.S., STOLYAR A.M. and TSIBULIN V.G.: Asymptotic integration of non-linear equations of cylindrical panel vibrations.                | 4   | 511  |
| STOLYAR A.M.: see SRUBSHCHIK L.S.   | 4   | 511  |
| SUBBOTIN A.I.: see ROZYEV I.  | 2   | 141  |
| SUMBATOV A.S.: Some invariant relations in the problem of the motion of a body on a smooth horizontal plane.                                    | 1   | 25   |
| SUMBATYAN M.A.: see BOYEV N.V.  | 4   | 545  |
| SVESHNIKOVA E.I.: see KULIKOVSKII A.G.  | 1   | 86   |
| SVESHNIKOVA E.I.: see KULIKOVSKII A.G.  | 6   | 786  |
| TEODOROVICH E.V.: The phenomena of turbulent transport and the renormalization-group method.  | 2   | 170  |
| TERENT'YEV E.D.: see MAKHMUDOV A.A.   | 4   | 466  |
| TER-MINASYANTS S.M. and URMAMBETOV S.M.: Diffraction of a supercompressed detonation wave regularly reflected from the wall of an obtuse wedge. | 5   | 603  |
| TIMOSHIN S.N.: Elimination of edge rupture caused by the effect of flow pulsations.   | 1   | 59   |
| TIRSKII G.A.: see KRUPA V.G.  | 3   | 348  |
| TRIBEL'SKII M.I.: see MALOMED B.A.  | 1   | 53   |
| TRUBCHIK I.S.: see AIZIKOVICH S.M.  | 5   | 664  |
| TSIBULIN V.G.: see SRUBSHCHIK L.S.  | 4   | 511  |

|  | No. | Page |
|--|-----|------|
| TSIONSKII A.YA.: Stability of a cylindrical shell in a stratified flow.  | 6   | 814  |
| TSODOKOVA N.S.: see GERMANOVICH L.N.   | 4   | 525  |
| TUKODOVA O.M.: see ARYAKHINA O.D.  | 5   | 659  |
| UGRINOVSKII V.A.: Exponential stabilization of non-linear stochastic systems.  | 1   | 11   |
| UKHOBOTOV V.I.: A linear differential game with constraints imposed on the control impulses.   | 3   | 277  |
| URMAMBETOV S.M.: see TER-MINASYANTS S.M.   | 5   | 603  |
| USTINOV YU.A.: see AKHMED N.K.   | 2   | 207  |
| UTKIN G.A.: see MALANOV S.B.   | 1   | 30   |
| UTKIN G.A.: see MALANOV S.B.   | 5   | 674  |
| VEKLICH N.A. and MALYSHEV B.M.: The plane problem of the impact of a plate on a liquid strip of rectangular cross-section.                           | 3   | 397  |
| VIGDERGAUZ S.B.: The geometrical characteristics of equally-strong boundaries of elastic bodies.   | 3   | 371  |
| VLADIMIROV V.A.: The instability of the equilibrium of an inhomogeneous fluid in cases when the potential energy is not minimal.                     | 3   | 322  |
| VORONIN A.A. and SAZONOV V.V.: Periodic motions of gyroscopic systems.   | 5   | 560  |
| VOROTNIKOV V.I.: The partial stability of motion.  | 3   | 289  |
| VOROVICH I.I. and LEBEDEV L.P.: On the solvability of non-linear shallow shell equilibrium problems.   | 5   | 636  |
| VOSTROV V.K.: The compression of an unbounded body with semi-infinite cylindrical cavities.  | 5   | 625  |
| YAKIMOV N.D.: see GAIFUTDINOV A.N.   | 1   | 126  |
| YAVORSKII N.I.: Non-axisymmetric submerged jets.   | 5   | 593  |
| YUMATOV A.YU.: see KRUTIN V.N.   | 1   | 63   |
| YUZEVICH V.N.: Electromechanical thermal diffusion processes in contacting bodies with point defects.  | 5   | 686  |
| ZELENIN A.A. and ZUBOV L.M.: Behaviour of a thick circular slab after buckling.  | 4   | 499  |
| ZELENTSOV V.B.: Asymptotic solutions of integral equations of crack theory problems for thin plates.   | 1   | 120  |
| ZELIKIN M.I.: see BORISOV V.F.   | 6   | 731  |
| ZEVIN A.A.: A theory of linear non-conservative systems.   | 3   | 300  |
| ZHELTUKHIN A.N.: A family of exact solutions of the equations of the one-dimensional motion of a gas under the influence of monochromatic radiation. | 2   | 262  |
| ZHMULIN E.M.: see AIRAPETOV A.B.   | 1   | 49   |
| ZORIN I.S. and ROMASHEV YU.A.: On the state of stress and strain of layered plates of non-symmetric construction.                                    | 1   | 67   |
| ZUBOV L.M.: see ZELENIN A.A.   | 4   | 499  |